

General Fractal Tread Design

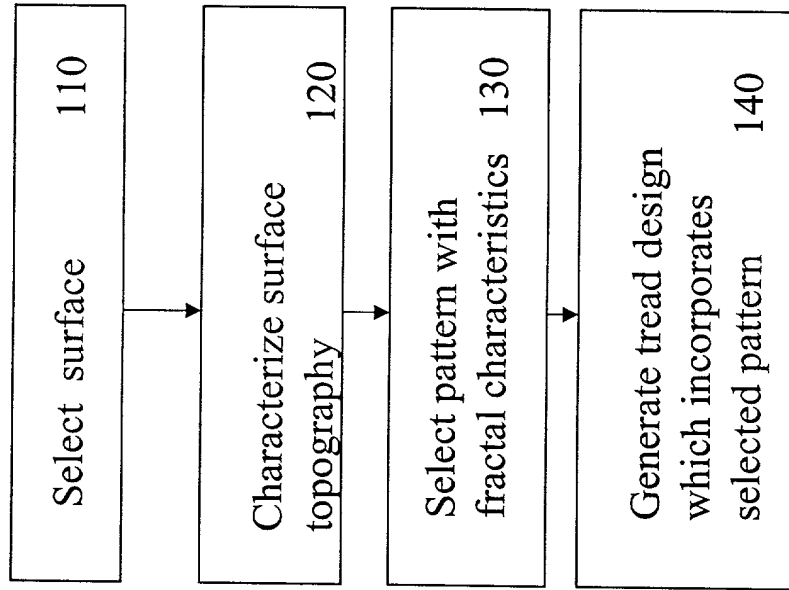
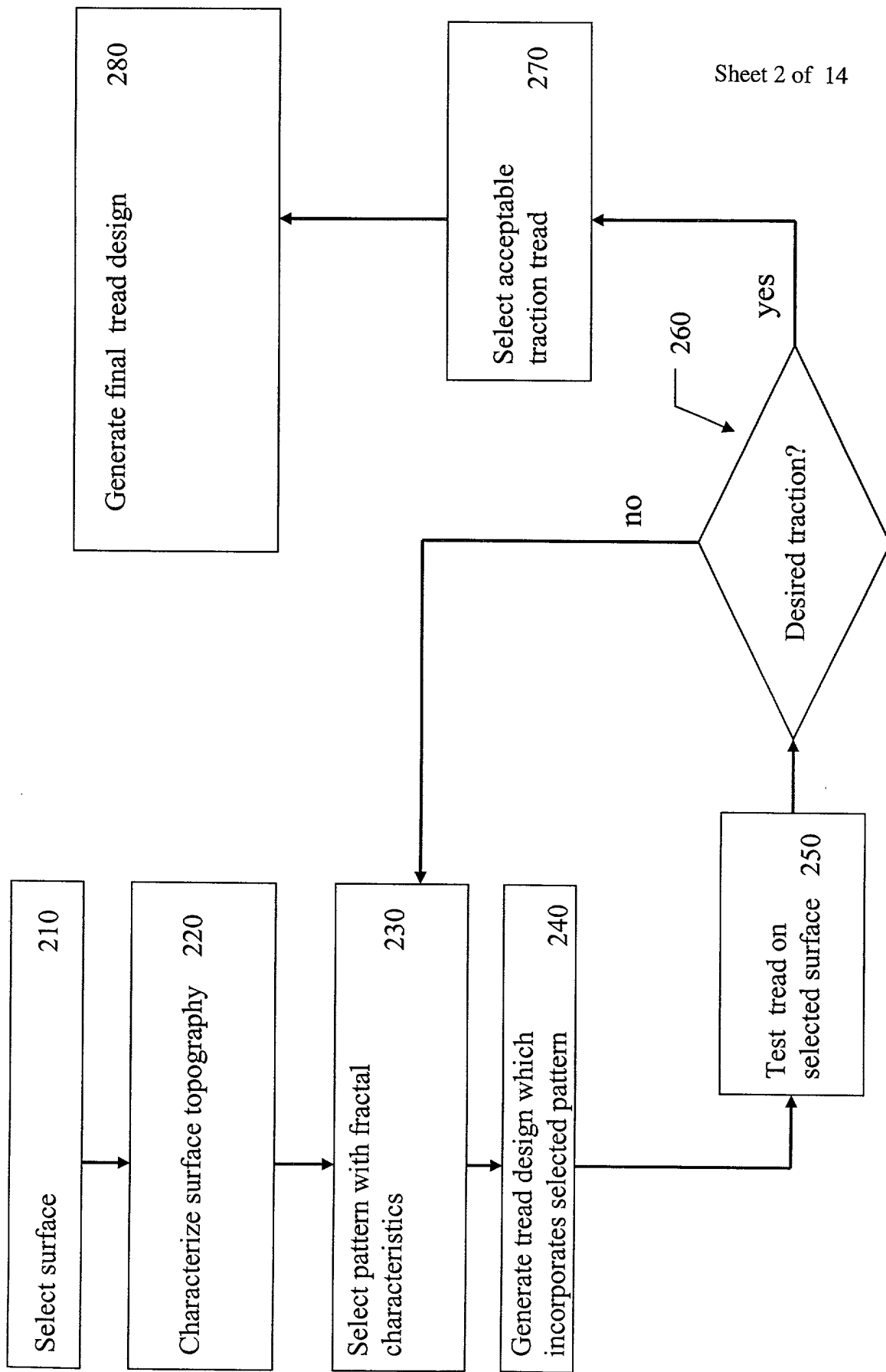


Fig. 1

Empirical Tread Design



Sheet 2 of 14

Fig. 2

Analytical Tread Design

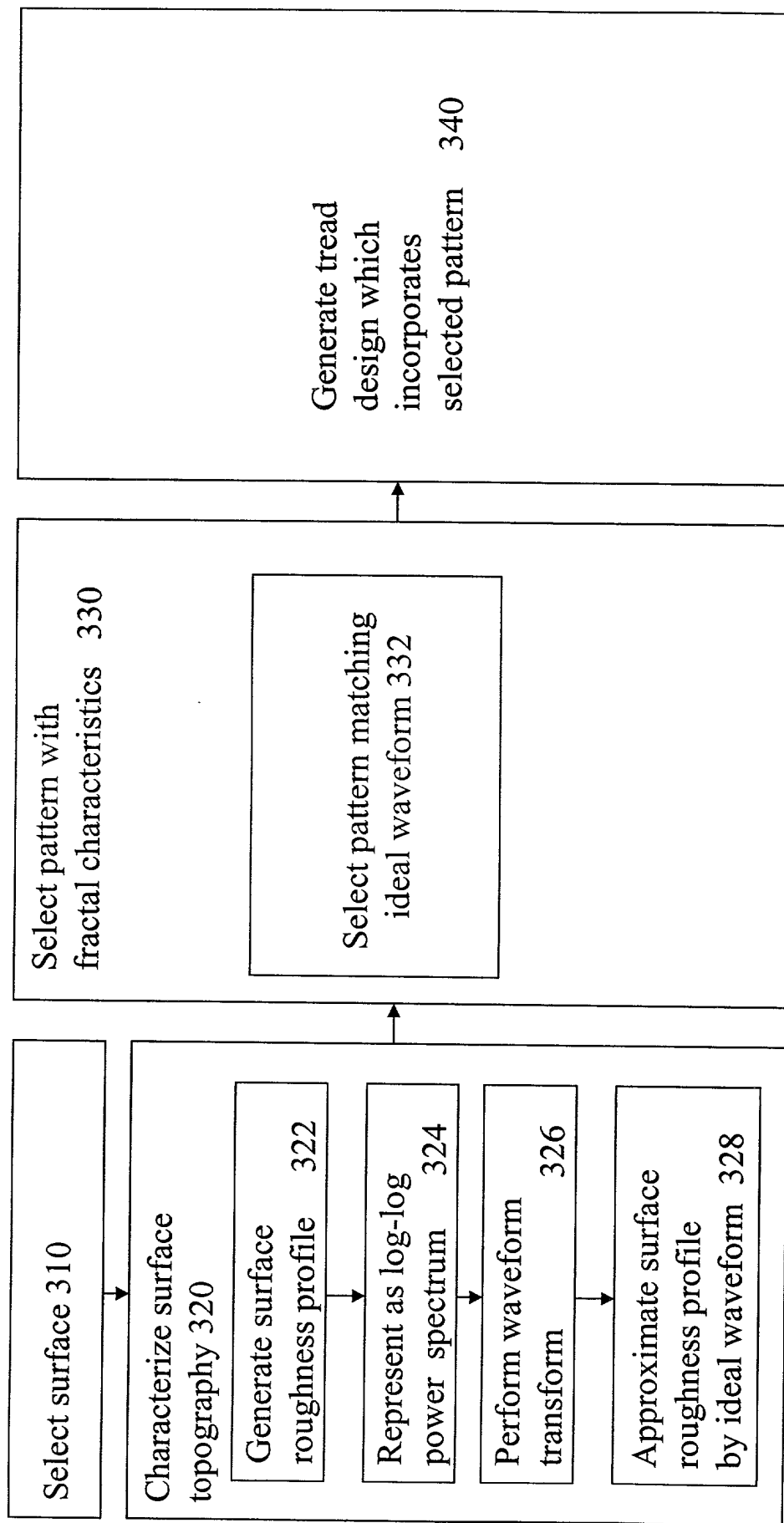


Fig. 3

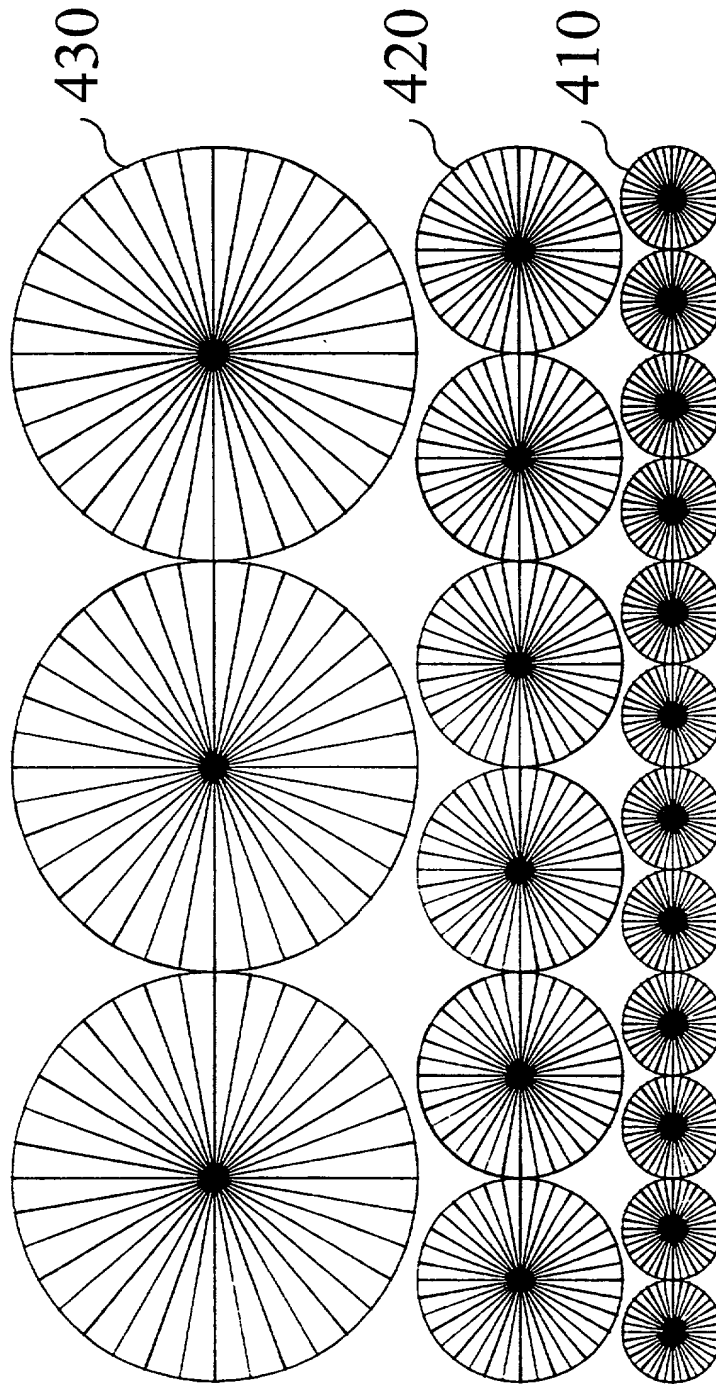


Fig. 4A

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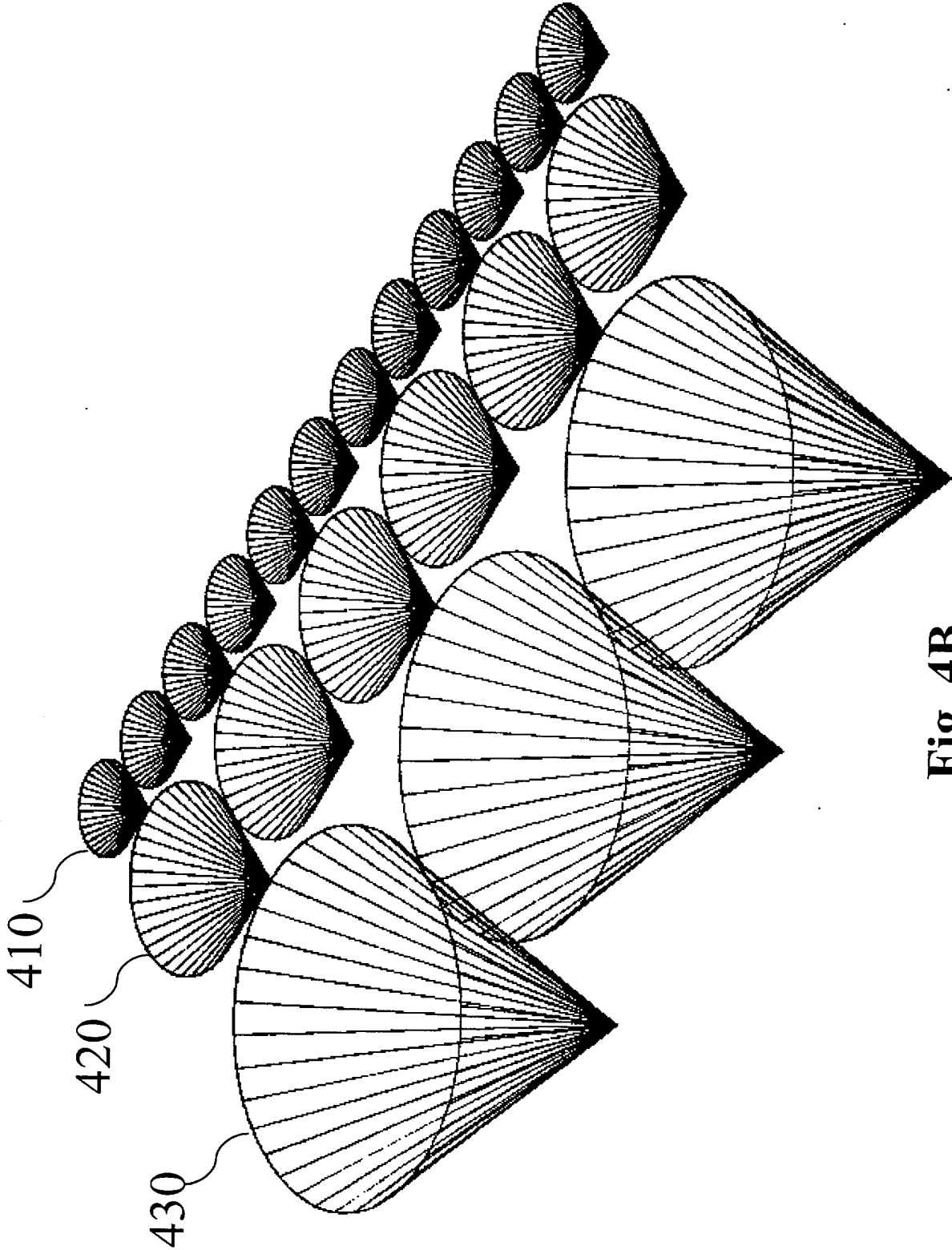


Fig. 4B

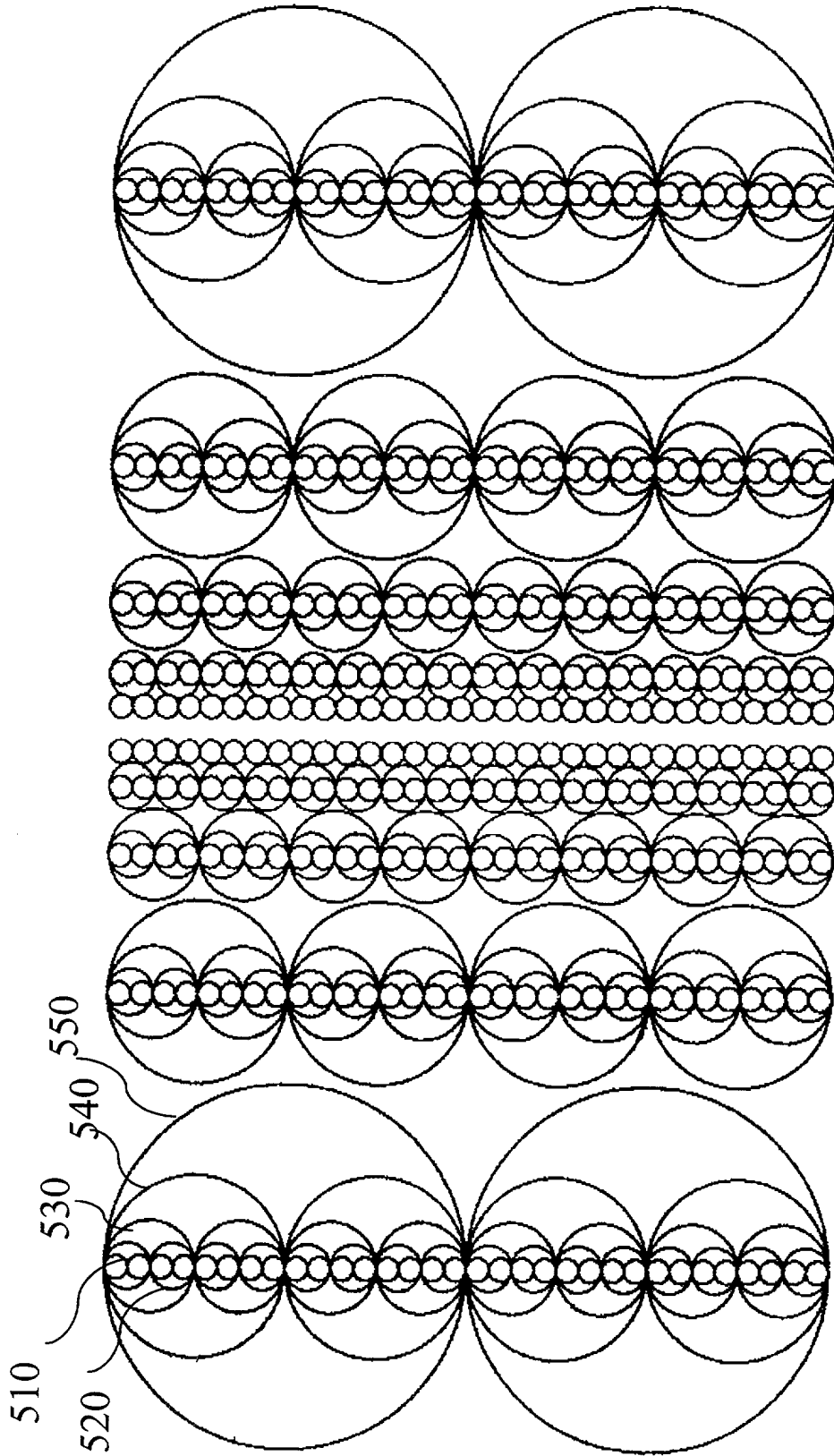


Fig. 5

2020-05-16 16:00

Cylinders - cross section

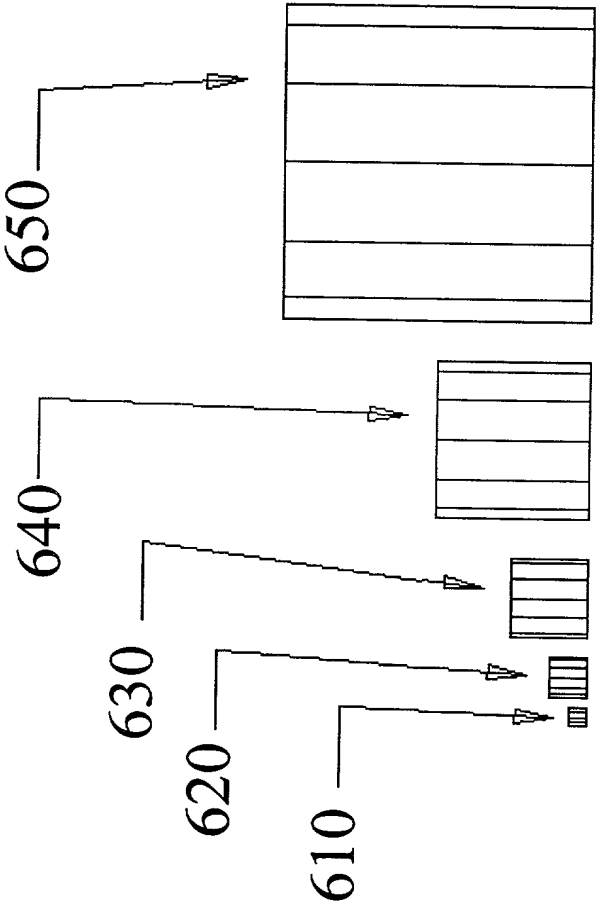


Fig. 6

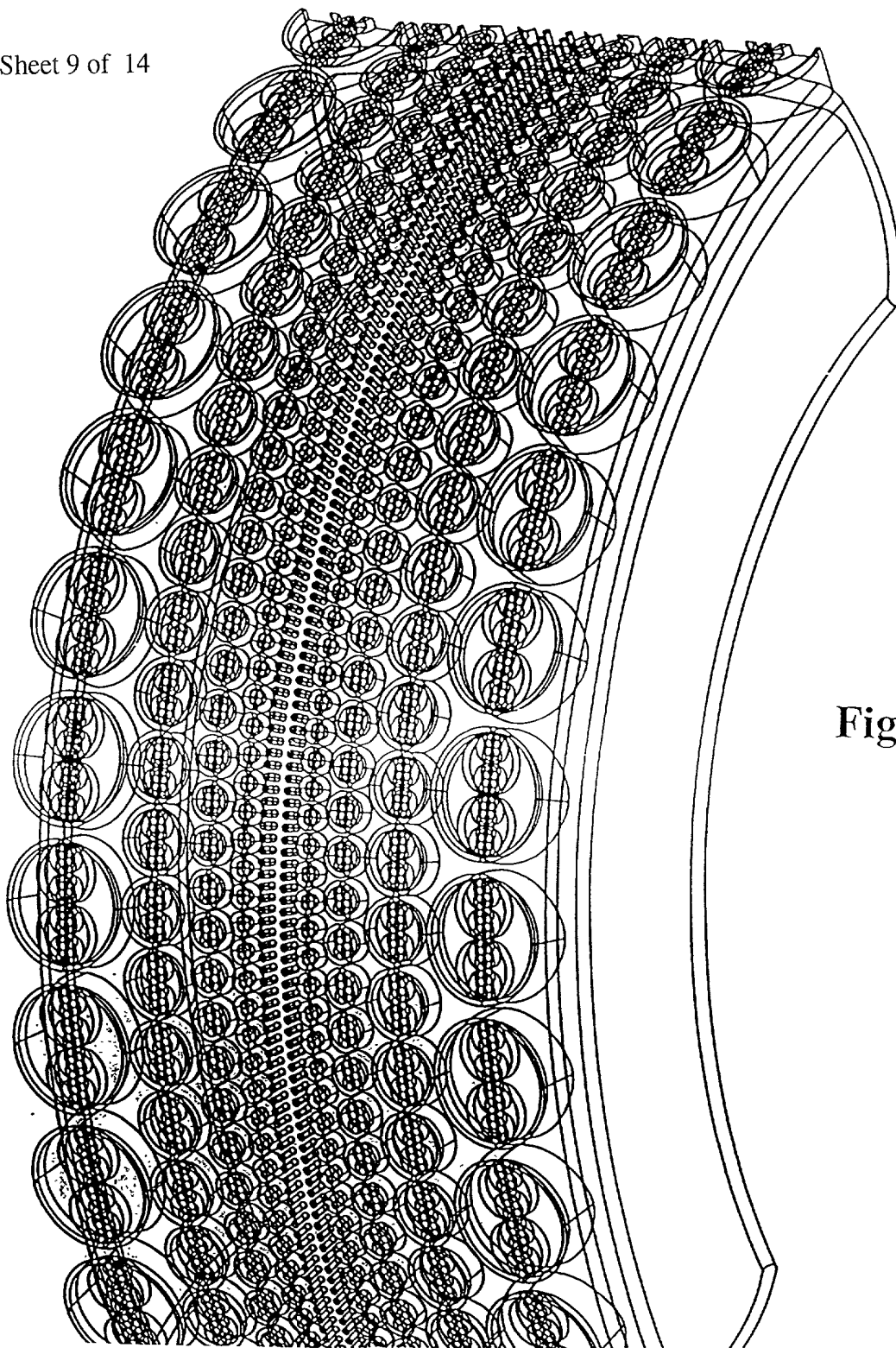


Fig. 7

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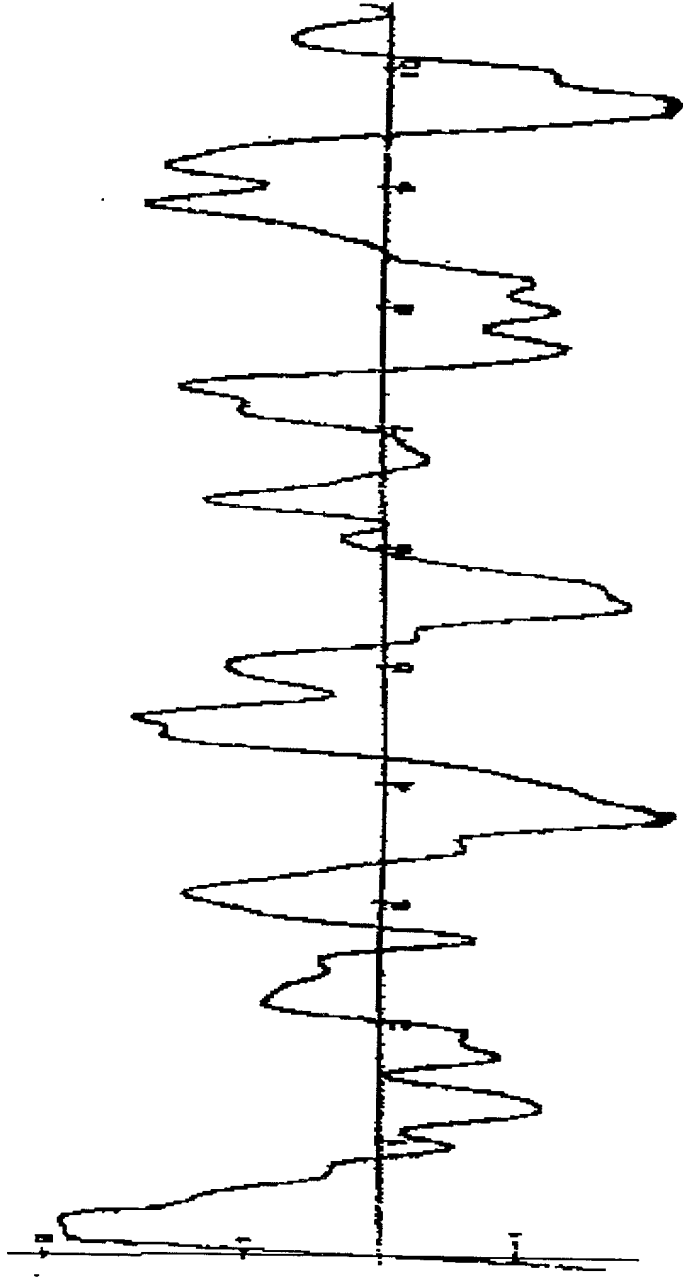


Fig. 8

202010-56162001

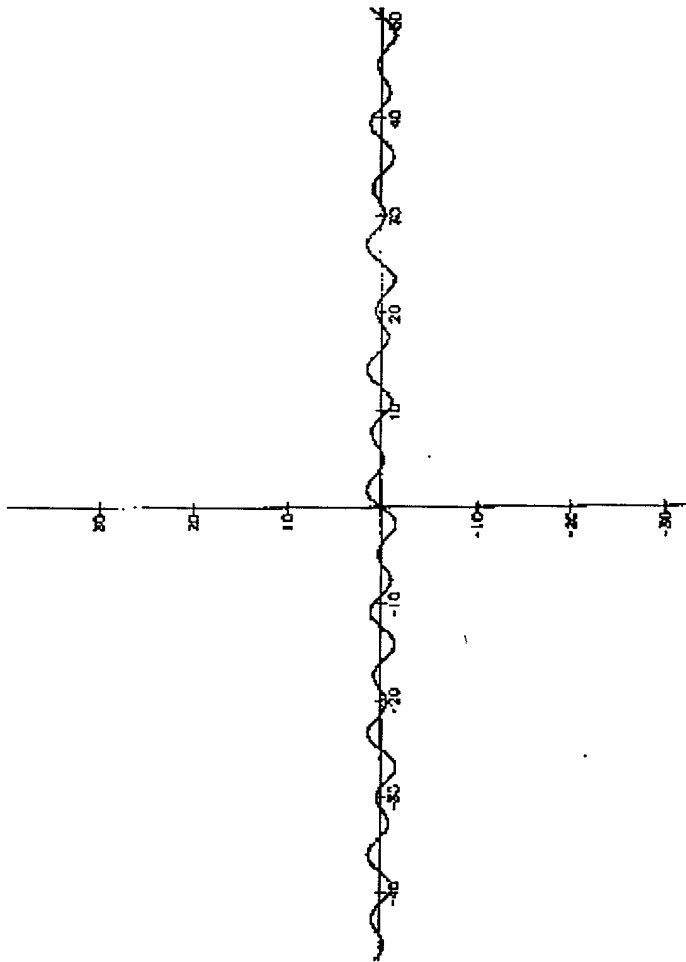


Fig. 9

2020-05-16 20:10

$$z = \sin xy + \frac{1}{2} \sin \left(\frac{xy}{2} \right) + \frac{1}{4} \sin \left(\frac{xy}{4} \right) + \frac{1}{8} \sin \left(\frac{xy}{8} \right) + \frac{1}{16} \sin \left(\frac{xy}{16} \right)$$

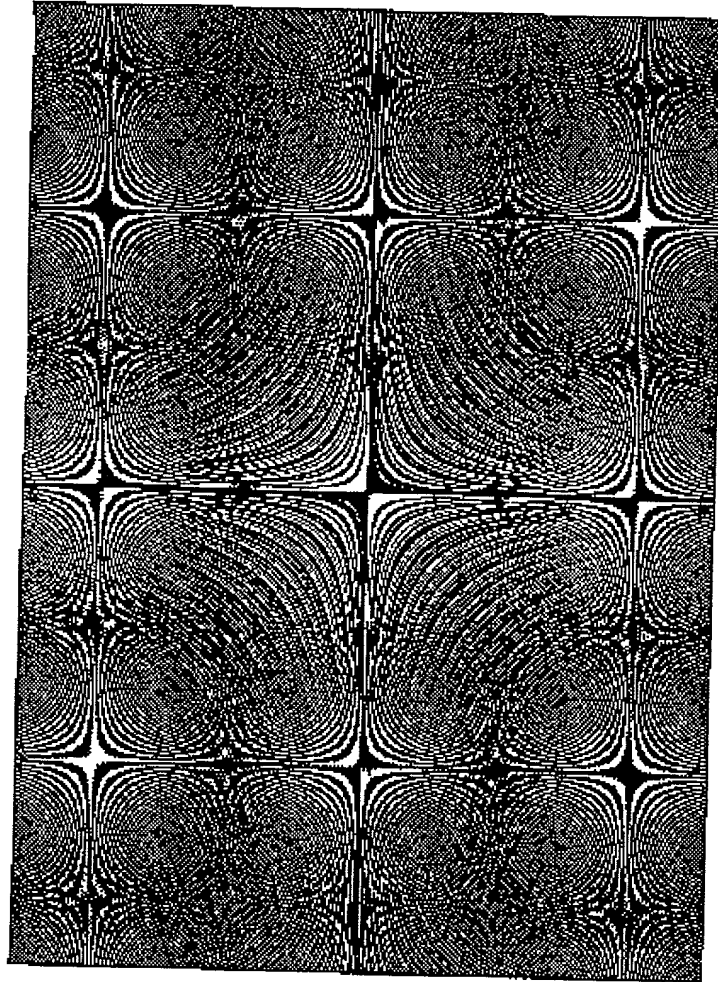


Fig. 10

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$$z = \sin xy + \frac{1}{2} \sin \left(\frac{xy}{2} \right) + \frac{1}{4} \sin \left(\frac{xy}{4} \right) + \frac{1}{8} \sin \left(\frac{xy}{8} \right) + \frac{1}{16} \sin \left(\frac{xy}{16} \right)$$

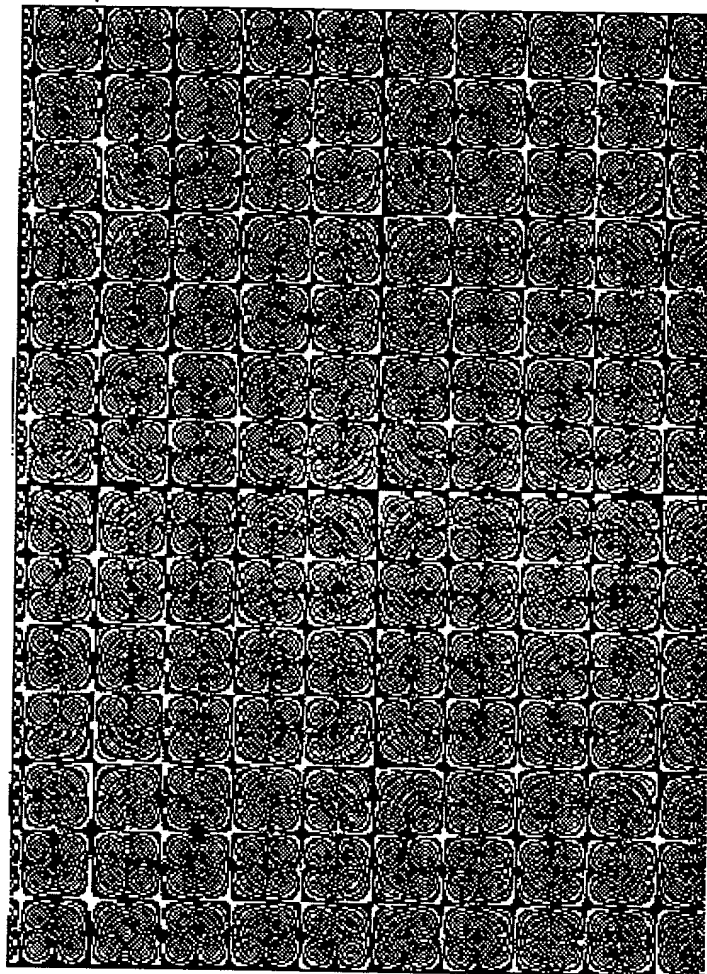


Fig. 11

$$z = \sin xy + \frac{1}{2} \sin \left(\frac{xy}{2} \right) + \frac{1}{4} \sin \left(\frac{xy}{4} \right) + \frac{1}{8} \sin \left(\frac{xy}{8} \right) + \frac{1}{16} \sin \left(\frac{xy}{16} \right)$$

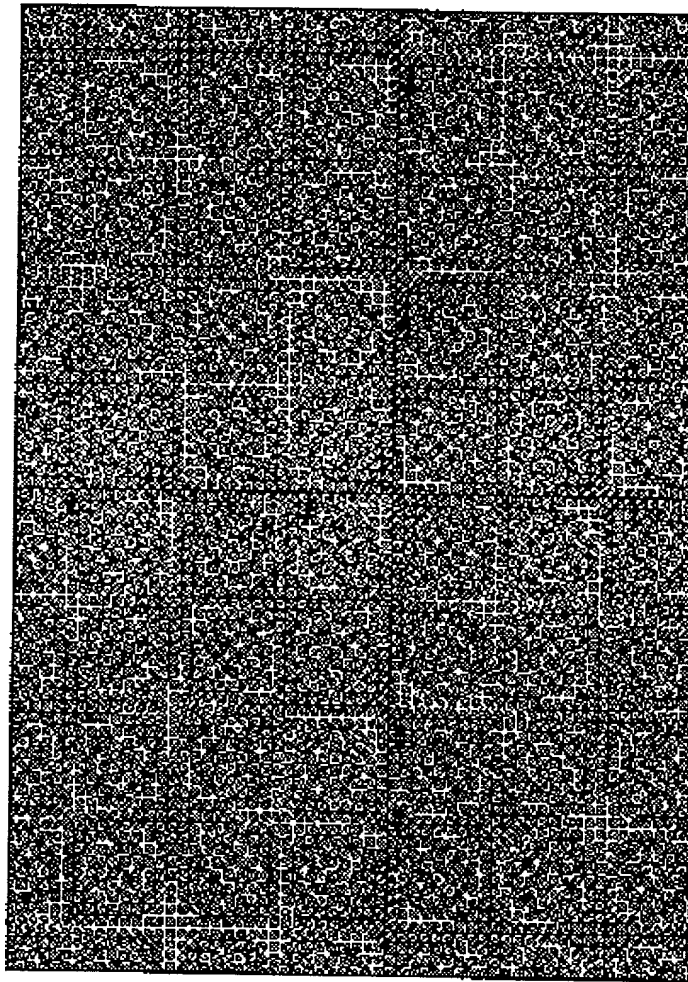


Fig. 12